



WATER MANAGEMENT MONTHLY REPORT

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Prepared by: U.S. Army Engineer Division,
Great Lakes and Ohio River, PO Box 1159,
Cincinnati, OH 45201-1159

RESERVOIR OPERATION AND SYSTEM STATUS FOR AUGUST 2004

HIGHLIGHTS – Cairo stage began the month at 22.9 feet and ended at 26.4 feet after dropping to a low of 12.5 on the 21st. Scattered rain showers have kept main stem river flows above normal during to month.

WEATHER –The weather during August was generally very cool with widely varied precipitation. Temperatures averaged 1 to 5 degrees below normal with only the final week of the month near normal. Rainfall was typical for the month with very widely scattered showers. The northern areas of the Ohio River basin had generally above normal rainfall. Much of southern Ohio, West Virginia, Kentucky, eastern Tennessee, Virginia and North Carolina had well below normal rainfall.

TEMPERATURE AND PRECIPITATION – AUGUST 2004

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	68.6	-2.4	6.13	+2.75
Charleston, WV	71.6	-1.0	3.93	-0.18
Columbus, OH	70.6	-2.9	3.42	-0.30
Cincinnati, OH	70.6	-3.9	3.51	-0.28
Louisville, KY	72.1	-4.9	4.14	+0.73
Indianapolis, IN	69.8	-3.7	4.73	+0.91
Evansville, IN	72.0	-4.5	3.08	-0.06
Nashville, TN	74.3	-3.6	4.24	+0.96

STREAMFLOW -- Ohio River monthly average flows for August ranged from a low of 159 percent of normal at Paducah, KY to a high of 212 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 59 percent of normal at Huntington, WV to a high of 690 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for August at the Ohio River Index Stations:

FLOW DATA – AUGUST 2004

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	25,300	212	690	91
Huntington, WV	57,900	190	434	59
Cincinnati, OH	66,300	187	386	79
Louisville, KY	78,400	189	363	63
Evansville, IN	84,600	180	337	60
Paducah, KY	177,000	159	344	78

RESERVOIRS -- August began with 1.4% utilization of the total system flood control storage and ended the month at 1.3%. System-wide augmentation storage started at 97.7% at the beginning of the month and was at 96.7% by the end of the month. Significant flood storage utilization in excess of 25 percent occurred at these projects during the month; East Branch Clarion and Patoka.

The following table depicts storage change by tributary reservoir subsystem for August:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-83,500
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+53,300
Twelvepole-Big Sandy-Little Sandy-Scioto	-3,700
Little Miami-Licking-Mill Creek-Great Miami	-31,900

Kentucky-Salt-Green-Wabash	-29,500
Cumberland	-817,000
TOTAL	-912,300

WILLIAM E. RYAN III

Colonel, Corps of Engineers

Acting Commander